

Claims

- [c1] What is claimed is:
1. A system for realizing multi-party chat through message reception and transmission in a handheld device over a network, the system comprising:
a message chat settings module for setting up information of a caller and a receiver;
a message transmission/reception module for transmitting and receiving messages;
a message entry display module for displaying messages and inputting messages; and
a message filtering module for determining whether a message corresponds to the receiver.
 - [c2] 2. The system of claim 1 wherein the handheld device is capable of receiving and transmitting signals.
 - [c3] 3. The system of claim 2 wherein the handheld device is a personal digital assistant, a mobile phone, or a smart phone.
 - [c4] 4. The system of claim 1 wherein the network is a wired network or a wireless network, and the messages are sent and received through a communications protocol.
 - [c5] 5. The system of claim 4 wherein the communications protocol is a wireless application protocol, a general packet radio services, a code-division multiple access, or a hypertext transfer protocol.
 - [c6] 6. The system of claim 1 wherein message input is accomplished through a keyboard, a digital touchpad, or a speech recognition system.
 - [c7] 7. A method of realizing multi-party chat through message transmission and reception over a network, for use in a handheld device, the method comprising:
entering a message chat program;
setting up information of a caller and a receiver; and
transferring messages between the caller and the receiver.

- [c8] 8. The method of claim 7 wherein the network is a wired network or a wireless network, and the messages are transferred through a communications protocol.
- [c9] 9. The method of claim 8 wherein the communications protocol is a wireless application protocol, a general packet radio service, a code-division multiple access, or a hypertext transfer protocol.
- [c10] 10. The method of claim 7 wherein the handheld device is capable of transmitting and receiving messages.
- [c11] 11. The method of claim 10 wherein the handheld device is a personal digital assistant, a mobile phone, or a smart phone.
- [c12] 12. The method of claim 7 wherein setting up the caller and receiver information comprises:
setting up a caller information;
setting up a receiver information; and
completing setup of the caller and receiver information.
- [c13] 13. The method of claim 12 wherein the caller information comprises a nickname and a text color.
- [c14] 14. The method of claim 12 wherein the receiver information comprises a phone number, a text color, and an appointed receiver field.
- [c15] 15. The method of claim 14 wherein selecting the appointed receiver field provides chat with the receiver.
- [c16] 16. The method of claim 7 further comprising:
entering a message chat history display;
calling the receiver;
completing a message through an input method and sending the message;
waiting for the receiver to send a message and initiate chat;
sending a message to the receiver;
storing the message in the handheld device; and
displaying the message on the chat history display.

- [c17] 17. The method of claim 16 wherein the input method is a keyboard, a touchpad, or a speech recognition system.
- [c18] 18. A system for realizing multi-party chat through message transfer over a short message system of a mobile phone through a wireless mobile network, the system comprising:
a message chat settings module for setting information of a caller and a receiver;
a message transmission/reception module for sending and receiving messages;
a message entry display module for displaying messages and inputting messages;
a message chat history information bank for storing and retrieving a chat message history; and
a message filtering module for determining whether a message corresponds to the receiver.
- [c19] 19. The system of claim 18 wherein inputting messages is accomplished through a keyboard, a touchpad, or a speech recognition system.
- [c20] 20. The system of claim 18 wherein the message chat history information bank stores at least one chat message.
- [c21] 21. The system of claim 20 wherein the chat message comprises a nickname, a phone number, a timestamp, and a text content field.
- [c22] 22. A method of realizing multi-party chat through message transfer over a short message system of a mobile phone through a wireless mobile network, the method comprising:
entering a chat program;
setting up information of chat parties; and
transferring messages between the chat parties.
- [c23] 23. The method of claim 22 further comprising:
setting up a caller information;
setting up a receiver information;
completing setup of the information of the message chat parties.

- [c24] 24. The method of claim 23 wherein the caller information comprises a nickname and a text color.
- [c25] 25. The method of claim 23 wherein the receiver information comprises a phone number, a text color, and an assigned receiver field.
- [c26] 26. The method of claim 25 wherein selecting the assigned receiver field allows chat with the receiver.
- [c27] 27. The method of claim 22 further comprising:
entering a message chat history display;
calling the receiver;
completing a message through an input method and sending the message;
waiting for the receiver to send a message and initiate chat;
sending a message to the receiver;
storing the message to the handheld device;
displaying the message to the chat history display; and
storing the message as chat history.
- [c28] 28. The method of claim 27 wherein the input method a keyboard, a touchpad, or a speech recognition system.